

Title (en)
CANTILEVER-TYPE PUMP FOR AN ORAL IRRIGATOR

Title (de)
FREITRAGENDE PUMPE FÜR MUNDUSCHE

Title (fr)
POMPE DE TYPE CANTILEVER POUR UN IRRIGATEUR ORAL

Publication
EP 4003220 A1 20220601 (EN)

Application
EP 20746930 A 20200724

Priority
• US 201962880234 P 20190730
• EP 2020070894 W 20200724

Abstract (en)
[origin: WO2021018748A1] The present disclosure is directed to a cantilever-type pump subassembly for an oral irrigator which provides noise and vibration reduction and simpler assembly. The pump subassembly comprises: an inlet portion arranged to receive fluid from a reservoir; an outlet portion integrally secured to the inlet portion, the outlet portion arranged to receive a pressurized flow of the fluid; and, a pressurizing portion integrally secured to the inlet portion and the outlet portion. The pressurizing portion comprises: a first end having a mounting flange, wherein the pump subassembly is fixedly secured only to a gearbox housing arranged within the housing by the mounting flange.

IPC 8 full level
A61C 17/02 (2006.01); **A61M 3/02** (2006.01)

CPC (source: CN EP US)
A61C 17/02 (2013.01 - CN US); **A61C 17/0205** (2013.01 - EP); **A61M 3/0258** (2013.01 - CN EP US); **F04B 19/22** (2013.01 - US); **F04B 23/021** (2013.01 - US); **F04B 53/003** (2013.01 - US); **F04B 53/102** (2013.01 - US); **F04B 53/1037** (2013.01 - US); **A61M 2205/42** (2013.01 - EP); **A61M 2210/0625** (2013.01 - EP)

Designated contracting state (EPC)
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)
BA ME

DOCDB simple family (publication)
WO 2021018748 A1 20210204; CN 114173705 A 20220311; EP 4003220 A1 20220601; US 2022257355 A1 20220818

DOCDB simple family (application)
EP 2020070894 W 20200724; CN 202080055330 A 20200724; EP 20746930 A 20200724; US 202017630719 A 20200724